

Claims

1. A male coupler portion comprising:
 - a frame comprising: (i) first and second arm pin-on locations adapted for connection to associated first and second arms, respectively; (ii) at least one tilt member pin-on location adapted for connection to an associated tilt member; (iii) first and second coupler halves each comprising:
 - a first hook-engaging mount;
 - a first rib locking location aligned with said first hook-engaging mount;
 - a second hook-engaging mount;
 - a second rib locking location aligned with said second hook-engaging mount; and,
 - a plunger pin slidably connected to the frame and movable between an extended position and a retracted position, said plunger pin, when extended, adapted to engage and retain an associated female coupler portion rib ear located in one of said first and second rib locking locations.
2. The male coupler portion as set forth in claim 1, wherein each of said halves of said coupler frame comprises a plurality of spaced-apart ribs, and wherein:
 - said first rib locking location comprises a first lock channel located between two of said ribs; and,
 - said second rib locking location comprises a second lock channel located between two of said ribs.
3. The male coupler portion as set forth in claim 2, wherein:
 - said first lock channel is defined between first and second ribs;
 - said second lock channel is defined between said second rib and a third rib.

4. The male coupler portion as set forth in claim 3, wherein said first, second and third ribs define respective first, second and third lock apertures that are aligned with each other and that accommodate sliding movement of said plunger pin between said extended and retracted positions.

5. The male coupler portion as set forth in claim 4, wherein, for each of said first and second coupler halves, said first hook-engaging mount is located between said first and second ribs, and said second hook-engaging mount is located between said second and third ribs.

6. The male coupler portion as set forth in claim 1, wherein said frame further comprises a face plate that extends between said first and second coupler halves.

7. The male coupler portion as set forth in claim 6, wherein, for each of said first and second halves of said coupler, said face plate defines first and second openings that communicate with said first and second rib locking locations.

8. The male coupler portion as set forth in claim 1, further comprising:
a first hydraulic actuator operatively connected to said plunger pin of said first coupler half for moving said plunger pin of said first coupler half between said extended and retracted positions; and,
a second hydraulic actuator operatively connected to said plunger pin of said second coupler half for moving said plunger pin of said second coupler half between said extended and retracted positions.

9. The male coupler portion as set forth in claim 4, wherein said first, second and third lock apertures and said plunger pin are cylindrical.

10. A male coupler portion comprising:

a first pair of mounts adapted for respective engagement with a first pair of ribs of a first associated female coupler portion configuration;

a second pair of mounts adapted for respective engagement with a second pair of ribs of a second associated female coupler portion configuration;

first and second rib locking pins that each move between a retracted position and an extended position.